



Ammini C.J

Chenathuparambil house,
Potta P O, Chalakudy,
Thrissur-680722 Kerala, India
Phone : +91 9207286467
Email: cjammini@gmail.com

EDUCATION

Master of Science in BOTANY: A+ Grade CGPA 3.83/5 2019–2021

Institution: Carmel College, Mala, Trissur, Calicut University, India.

First class with Distinction

Bachelor of Science in BOTANY: A Grade CGPA 4.77/6 2016–2019

Institution: St. Joseph's college (Autonomous), Irinjalakuda, Trissur,
Calicut University, India. Passed with **First class With Distinction**

RESEARCH & PROFESSIONAL ACQUAINTANCE

Project Fellow

2021 - Till now

Kerala Forest Research Institute, Forest Botany Division, Trissur, Kerala

Project Title: *Diversity and seasonal variation of freshwater algae in the selected water bodies degraded and non-degraded Evergreen Forest of Kerala*

Responsibilities and Achievements

- Conducted extensive fieldwork to collect freshwater algae samples from degraded and non-degraded Evergreen forests in Kerala.
- Led extensive field trips to the deep forests of the Western Ghats for data collection and analysis.
- Authored comprehensive research reports detailing findings and conclusions.
- Proficient in statistical analysis using R programming language.
- Utilized ArcGIS for spatial analysis and mapping.
- Applied algae culture techniques for laboratory experiments and studies.
- Executed PCR techniques and DNA isolation for genetic analysis.

ACADEMIC PROJECTS COMPLETED

Master's Thesis

Under the guidance of Dr. Sreekumar V B, Principal Scientist at Kerala Forest Research Institute, Peechi.

Title: *Diversity assessment of freshwater algae in summer season: a case study in Peechi Vazhani Wildlife Sanctuary*

- Conducted field surveys in various parts of the Peechi-Vazhani Wildlife Sanctuary during February-March.

- Collected algal samples using a plankton net, fixed them in 4% formalin, and analysed them under a microscope.
- Quantified physiochemical parameters such as pH, alkalinity, acidity, total hardness, nitrate, chloride, calcium, and magnesium.
- Identified 56 species of algae belonging to 10 orders, 16 families, and 29 genera.
- Conducted water quality analysis, revealing a positive correlation between algal diversity and reproduction with high physiochemical parameters.

ACADEMIC ACHEIVEMENTS

- Presented a paper on “**Systematic studies on Chlorophyceae of Malabar Wildlife Sanctuary, Kerala**” at the International Symposium on Plant Taxonomy, Ethnobotany, and Botanic Gardens, Botanical Survey of India, Kolkata, February 13-14, 2023.
- Presented a paper on “**Systematic investigation on Desmidiaceae within the semi-evergreen patches of the Kuttampuzha range, Kerala**” at the International Conference on Algae: Food, Feed, Fuels, and Fine Chemicals (ICA-F4'23), Bharathidasan University, Tiruchirappalli, September 6-8, 2023.
- Presented a paper on “**Systematic studies on Desmidiaceae of Aralam Wildlife Sanctuary, Kerala, India**” at the International Seminar on Plant Systematics: Present Status and Future Prospects, February 15-17, 2024.
- Certificate for participation in the Summer School Workshop entitled “**Taxonomy and Ecology of Freshwater Diatoms**” at Agharkar Research Institute, Pune, May 16-20, 2022.

PUBLICATIONS

- Ammini, C. J, Bibina, P.B, Praseetha, A. P, & Sreekumar, V.B. (2023). “**Taxonomic studies of freshwater algae in the Malabar wildlife sanctuary, Western Ghats, India.**” International journal on algae. (submitted)

REFERENCES

1. Dr. Sreekumar V.B , Principal Scientist & HoD Forest Botany Department, Kerala Forest Research Institute, Trissur Kerala India 680653,
Phone: +91- 9446505286
Email: sreekumar@kfri.res.in
2. Dr. Jayalakshmi P. S, Assistant Professor, Department of Botany, MarAthanasius College (Autonomous), Kothamangalam,
Kerala, India 686666
Phone: +91- 8156927476
Email: jayalakshmips@macollege.in